

HYDRIC SOIL INTERPRETATIONS
HYDRIC SOILS LIST
Bon Homme County, South Dakota

All mapunits are displayed regardless of hydric status and are listed in alpha-numeric order by mapunit symbol. The "Hydric Soils Criteria" columns indicate the conditions that caused the mapunit component to be classified as "Hydric" or "Non-Hydric". These criteria are defined in "Hydric Soils of the United States"(USDA Miscellaneous Publication No. 1491, June, 1991). See the "Criteria for Hydric Soils" endnote todetermine the meaning of these columns. Spot symbols are footnoted at the end of the table.

Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria			
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
AaA: ALCESTER SILT LOAM	ALCESTER	No	---	---	---	---	---
	CHANCELLOR	Yes	flood plain	2A	YES	NO	NO
AcA: ALCESTER-CHANCELLOR COMPLEX	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	ALCESTER	No	---	---	---	---	---
	CHANCELLOR	Yes	flood plain	2A	YES	NO	NO
	HOMME	No	---	---	---	---	---
Bn: BON LOAM	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	BON	No	---	---	---	---	---
	ENET	No	---	---	---	---	---
Bo: BON LOAM, CHANNELED	LAMO	No	---	---	---	---	---
	BON	No	---	---	---	---	---
	SALMO	Yes	flood plain	2B3	YES	NO	NO
Br: BONILLA-CROSSPLAIN COMPLEX	BONILLA	No	---	---	---	---	---
	CROSSPLAIN	No	---	---	---	---	---
	CLARNO	No	---	---	---	---	---
	DAVISON	No	---	---	---	---	---
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
BsE: BOYD-SANSARC CLAYS, 15 TO 40 PERCENT SLOPES	BOYD	No	---	---	---	---	---
	SANSARC	No	---	---	---	---	---
	BETTS	No	---	---	---	---	---
	CROFTON	No	---	---	---	---	---
	ETHAN	No	---	---	---	---	---
	GAVINS	No	---	---	---	---	---
	ROCK	Unrank	---	---	---	---	---
	OUTCROP, SOFT	ed					
	THURMAN	No	---	---	---	---	---
CmA: CLARNO-BONILLA LOAMS, 0 TO 2 PERCENT SLOPES	CLARNO	No	---	---	---	---	---
	BONILLA	No	---	---	---	---	---
	CROSSPLAIN	No	---	---	---	---	---
	DAVISON	No	---	---	---	---	---
CmB: CLARNO-BONILLA LOAMS, 2 TO 6 PERCENT SLOPES	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	CLARNO	No	---	---	---	---	---
	BONILLA	No	---	---	---	---	---
	CROSSPLAIN	No	---	---	---	---	---
	ETHAN	No	---	---	---	---	---
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES

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Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria			
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
CnA: CLARNO-CROSSPLAIN- DAVISON COMPLEX, 0 TO 3 PERCENT SLOPES	CLARNO	No	---	---	---	---	---
	CROSSPLAIN	No	---	---	---	---	---
	DAVISON	No	---	---	---	---	---
	BONILLA	No	---	---	---	---	---
	ETHAN	No	---	---	---	---	---
CsB: CLARNO-ETHAN-BONILLA LOAMS, 2 TO 6 PERCENT SLOPES	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	CLARNO	No	---	---	---	---	---
	ETHAN	No	---	---	---	---	---
	BONILLA	No	---	---	---	---	---
	CROSSPLAIN	No	---	---	---	---	---
DaB: DAVIS LOAM, 0 TO 6 PERCENT SLOPES	DAVISON	No	---	---	---	---	---
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	DAVIS	No	---	---	---	---	---
	CLARNO	No	---	---	---	---	---
	LAMO	No	---	---	---	---	---
DaC: DAVIS LOAM, 6 TO 15 PERCENT SLOPES	SALMO	Yes	flood plain	2B3	YES	NO	NO
	DAVIS	No	---	---	---	---	---
	CLARNO	No	---	---	---	---	---
	ETHAN	No	---	---	---	---	---
	LAMO	No	---	---	---	---	---
DlC: DELMONT-TALMO LOAMS, 6 TO 9 PERCENT SLOPES	DELMONT	No	---	---	---	---	---
	TALMO	No	---	---	---	---	---
	BETTS	No	---	---	---	---	---
	CLARNO	No	---	---	---	---	---
EaA: ELTREE SILT LOAM, 0 TO 2 PERCENT SLOPES	ELTREE	No	---	---	---	---	---
	HOMME	No	---	---	---	---	---
	CROFTON	No	---	---	---	---	---
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
EaB: ELTREE SILT LOAM, 2 TO 6 PERCENT SLOPES	ELTREE	No	---	---	---	---	---
	CROFTON	No	---	---	---	---	---
	HOMME	No	---	---	---	---	---
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
EbC: ELTREE-ETHAN COMPLEX, 6 TO 9 PERCENT SLOPES	ELTREE	No	---	---	---	---	---
	ETHAN	No	---	---	---	---	---
	CROFTON	No	---	---	---	---	---

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Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria			
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
Ebe: ELTREE-ETHAN COMPLEX, 9 TO 40 PERCENT SLOPES	ELTREE	No	---	---	---	---	---
	ETHAN	No	---	---	---	---	---
	BON	No	---	---	---	---	---
EcD: ELTREE-CROFTON SILT LOAMS, 9 TO 15 PERCENT SLOPES	CROFTON	No	---	---	---	---	---
	BON	No	---	---	---	---	---
	ETHAN	No	---	---	---	---	---
EdA: ENET-DELMONT LOAMS, 0 TO 2 PERCENT SLOPES	ENET	No	---	---	---	---	---
	DELMONT	No	---	---	---	---	---
	CLARNO	No	---	---	---	---	---
EdB: ENET-DELMONT LOAMS, 2 TO 6 PERCENT SLOPES	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	ENET	No	---	---	---	---	---
	DELMONT	No	---	---	---	---	---
EhB: ETHAN-ALCESTER COMPLEX, 1 TO 6 PERCENT SLOPES	CLARNO	No	---	---	---	---	---
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	ETHAN	No	---	---	---	---	---
Ehc: ETHAN-ALCESTER COMPLEX, 1 TO 9 PERCENT SLOPES	ALCESTER	No	---	---	---	---	---
	CLARNO	No	---	---	---	---	---
	CHANCELLOR	Yes	flood plain	2A	YES	NO	NO
EmE: ETHAN-BETTS LOAMS, 15 TO 40 PERCENT SLOPES	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	ETHAN	No	---	---	---	---	---
	ALCESTER	No	---	---	---	---	---
EnC: ETHAN-BONILLA LOAMS, 1 TO 9 PERCENT SLOPES	CHANCELLOR	Yes	flood plain	2A	YES	NO	NO
	CLARNO	No	---	---	---	---	---
	ETHAN	No	---	---	---	---	---
	BETTS	No	---	---	---	---	---
	BON	No	---	---	---	---	---
	DAVIS	No	---	---	---	---	---
	GAVINS	No	---	---	---	---	---
	TALMO	No	---	---	---	---	---
	ETHAN	No	---	---	---	---	---
	BONILLA	No	---	---	---	---	---
	CLARNO	No	---	---	---	---	---
	CROSSPLAIN	No	---	---	---	---	---
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES

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Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria			
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
EoD: ETHAN-DAVIS LOAMS, 9 TO 15 PERCENT SLOPES	ETHAN	No	---	---	---	---	---
	DAVIS	No	---	---	---	---	---
	TALMO	No	---	---	---	---	---
	THURMAN	No	---	---	---	---	---
EpC: ETHAN-HOMME COMPLEX, 6 TO 9 PERCENT SLOPES	ETHAN	No	---	---	---	---	---
	HOMME	No	---	---	---	---	---
	CHANCELLOR	Yes	flood plain	2A	YES	NO	NO
	DAVISON	No	---	---	---	---	---
Fv: NORWAY LOAMY FINE SAND, FREQUENTLY FLOODED	ONITA	No	---	---	---	---	---
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	NORWAY	Yes	flood plain	2B2,4	YES	YES	NO
GeE: GAVINS-ETHAN LOAMS, 15 TO 40 PERCENT SLOPES	GAVINS	No	---	---	---	---	---
	ETHAN	No	---	---	---	---	---
	CROFTON	No	---	---	---	---	---
	DAVIS	No	---	---	---	---	---
	REDSTOE	No	---	---	---	---	---
	VARIANT						
	TALMO	No	---	---	---	---	---
	THURMAN	No	---	---	---	---	---
GrA: GRACEVILLE SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	GRACEVILLE	No	---	---	---	---	---
	DELMONT	No	---	---	---	---	---
	ENET	No	---	---	---	---	---
	ONITA	No	---	---	---	---	---
HmA: HOMME-DAVISON-TETONKA COMPLEX, 0 TO 3 PERCENT SLOPES	HOMME	No	---	---	---	---	---
	DAVISON	No	---	---	---	---	---
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	ONITA	No	---	---	---	---	---
HnB: HOMME-ETHAN-ONITA COMPLEX, 1 TO 6 PERCENT SLOPES	CHANCELLOR	Yes	flood plain	2A	YES	NO	NO
	HOMME	No	---	---	---	---	---
	ETHAN	No	---	---	---	---	---
	ONITA	No	---	---	---	---	---
	CHANCELLOR	Yes	flood plain	2A	YES	NO	NO
	DAVISON	No	---	---	---	---	---
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES

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Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria			
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
HpB: HOMME-ETHAN-TETONKA COMPLEX, 0 TO 6 PERCENT SLOPES	HOMME	No	---	---	---	---	---
	ETHAN	No	---	---	---	---	---
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	CHANCELLOR	Yes	flood plain	2A	YES	NO	NO
	DAVISON	No	---	---	---	---	---
HpC: HOMME-ETHAN-TETONKA COMPLEX, 0 TO 9 PERCENT SLOPES	ONITA	No	---	---	---	---	---
	HOMME	No	---	---	---	---	---
	ETHAN	No	---	---	---	---	---
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	CHANCELLOR	Yes	flood plain	2A	YES	NO	NO
HrA: HOMME-ONITA SILTY CLAY LOAMS, 0 TO 2 PERCENT SLOPES	DAVISON	No	---	---	---	---	---
	ONITA	No	---	---	---	---	---
	HOMME	No	---	---	---	---	---
	CHANCELLOR	No	---	---	---	---	---
	DAVISON	Yes	flood plain	2A	YES	NO	NO
HrB: HOMME-ONITA SILTY CLAY LOAMS, 1 TO 6 PERCENT SLOPES	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	HOMME	No	---	---	---	---	---
	ONITA	No	---	---	---	---	---
	CHANCELLOR	Yes	flood plain	2A	YES	NO	NO
	DAVISON	No	---	---	---	---	---
HtA: HOMME-ONITA-TETONKA COMPLEX, 0 TO 3 PERCENT SLOPES	ETHAN	No	---	---	---	---	---
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	CHANCELLOR	Yes	flood plain	2A	YES	NO	NO
	DAVISON	No	---	---	---	---	---
	ONITA	No	---	---	---	---	---
La: LAMO SILT LOAM	HOMME	No	---	---	---	---	---
	ONITA	No	---	---	---	---	---
M-W: MISCELLANEOUS WATER	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	CHANCELLOR	Yes	flood plain	2A	YES	NO	NO
Oca: ONITA-CHANCELLOR SILTY CLAY LOAMS	DAVISON	No	---	---	---	---	---
	HOMME	No	---	---	---	---	---
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	CHANCELLOR	Yes	flood plain	2A	YES	NO	NO

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				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
ReD: REDSTOE VARIANT- GAVINS COMPLEX, 6 TO 25 PERCENT SLOPES	REDSTOE VARIANT	No	---	---	---	---	---
	GAVINS	No	---	---	---	---	---
	BON	No	---	---	---	---	---
	ETHAN	No	---	---	---	---	---
	SANSARC	No	---	---	---	---	---
Sa: SALMO SILTY CLAY LOAM	SALMO	Yes	flood plain	2B3	YES	NO	NO
	ALCESTER	No	---	---	---	---	---
	BON	No	---	---	---	---	---
	ENET	No	---	---	---	---	---
	LAMO	No	---	---	---	---	---
Sb: SARDAK-WAUBONSIE COMPLEX	SARDAK	No	---	---	---	---	---
	WAUBONSIE	No	---	---	---	---	---
	NORWAY	Yes	flood plain	2B2,4	YES	YES	NO
TaE: TALMO-DELMONT LOAMS, 15 TO 40 PERCENT SLOPES	PERCIVAL	No	flood plain	---	---	---	---
	TALMO	No	---	---	---	---	---
	DELMONT	No	---	---	---	---	---
TbE: TALMO-ETHAN VERY STONY COMPLEX, 6 TO 40 PERCENT SLOPES	BETTS	No	---	---	---	---	---
	TALMO	No	---	---	---	---	---
	ETHAN	No	---	---	---	---	---
	CLARNO	No	---	---	---	---	---
Te: TETONKA SILT LOAM	DAVIS	No	---	---	---	---	---
	THURMAN	No	---	---	---	---	---
	TETONKA	Yes	pothole	3,2B3	YES	NO	YES
	ONITA	No	---	---	---	---	---
	BONILLA	No	---	---	---	---	---
ThC: THURMAN LOAMY SAND, 6 TO 15 PERCENT SLOPES	DAVISON	No	---	---	---	---	---
	CHANCELLOR	Yes	flood plain	2A	YES	NO	NO
	CROSSPLAIN	No	---	---	---	---	---
	THURMAN	No	---	---	---	---	---
	DAVIS	No	---	---	---	---	---
ThE: THURMAN LOAMY SAND, 15 TO 40 PERCENT SLOPES	DELMONT	No	---	---	---	---	---
	ETHAN	No	---	---	---	---	---
	TALMO	No	---	---	---	---	---
	THURMAN	No	---	---	---	---	---
	DAVIS	No	---	---	---	---	---
W: WATER	DELMONT	No	---	---	---	---	---
	ETHAN	No	---	---	---	---	---
	TALMO	No	---	---	---	---	---
	THURMAN	No	---	---	---	---	---
	WATER	Unrank ed	---	---	---	---	---

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				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
Wg: WORTHING SILTY CLAY LOAM	WORTHING	Yes	pothole	2B3,3	YES	NO	YES
	CHANCELLOR	Yes	flood plain	2A	YES	NO	NO
	CROSSPLAIN	No	---	---	---	---	---
	ONITA	No	---	---	---	---	---
Wo: WORTHING SILTY CLAY LOAM, PONDED	TETONKA	Yes	pothole	3,2B3	YES	NO	YES
	WORTHING	Yes	pothole	2B3,3	YES	NO	YES
	TETONKA	Yes	pothole	3,2B3	YES	NO	YES
YaA: YANKTON-ALCESTER SILT LOAMS, 0 TO 2 PERCENT SLOPES	YANKTON	No	---	---	---	---	---
	ALCESTER	No	---	---	---	---	---
	CHANCELLOR	Yes	flood plain	2A	YES	NO	NO
	ENET	No	---	---	---	---	---
YaB: YANKTON-ALCESTER SILT LOAMS, 1 TO 6 PERCENT SLOPES	TETONKA	Yes	pothole	2B3,3	YES	NO	YES
	YANKTON	No	---	---	---	---	---
	ALCESTER	No	---	---	---	---	---
	CHANCELLOR	Yes	flood plain	2A	YES	NO	NO
	ETHAN	No	---	---	---	---	---
	ENET	No	---	---	---	---	---
	TETONKA	Yes	pothole	2B3,3	YES	NO	YES

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				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria

FOOTNOTE: There may be small areas of included soils or miscellaneous areas that are significant to use an management of the soil; yet are too small to delineate on the soil map at the map’s original scale. These may be designated as spot symbols and are defined in the published Soil Survey Report or the USDA-NRCS Technical Guide, Part II.
Areas mapped as water or any map unit that contains one of the following conventional symbols is considered a hydric soil map unit: marshes or swamps; wet spots; depressions; streams, lakes and ponds.

1. All Histosols except Folists, or
2. Soils in Aquic suborders, great groups, or subgroups, Albolls suborder, Aquisalids, Pachic subgroups, or Cumulic subgroups that are:

a. Somewhat poorly drained with a water table equal to 0.0 foot (ft) from the surface during the growing season, or

b. poorly drained or very poorly drained and have either:

(1) water table equal to 0.0 ft during the growing season if textures are coarse sand, sand, or fine sand in all layers within 20 inches (in),
or for other soils

(2) water table at less than or equal to 0.5 ft from the surface during the growing season if permeability is equal to or greater than 6.0 in/hour (h) in all layers within 20 in, or

(3) water table at less than or equal to 1.0 ft from the surface during the growing season if permeability is less than 6.0 in/h in any layer within 20 in, or
3. Soils that are frequently ponded for long duration or very long duration during the growing season, or
4. Soils that are frequently flooded for long duration or very long duration during the growing season.

